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(19) **United States**(12) **Patent Application Publication**
O'Brien(10) **Pub. No.: US 2013/0058063 A1**(43) **Pub. Date: Mar. 7, 2013**(54) **EXPANDABLE MOBILE DEVICE**(52) **U.S. Cl. 361/807; 29/592.1**(75) Inventor: **Paul M. O'Brien**, Sammamish, WA
(US)(57) **ABSTRACT**(73) Assignee: **MICROSOFT CORPORATION**,
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In embodiments of an expandable mobile device, the device includes first and second housing parts that slide-engage relative to each other to extend and retract the device. The expandable mobile device includes a flexible display that extends from an interior of the expandable mobile device as the second housing part slides out from the first housing part. The flexible display also retracts into the interior of the expandable mobile device as the second housing part slides into the first housing part. Rollers are integrated in the first housing part and bend the flexible display around a fixed radius to position a first section of the flexible display approximately parallel to a second section of the flexible display in a retracted position of the expandable mobile device.

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